

Title (en)

Polyoxyethylene fatty acid ester surfactants and use thereof

Title (de)

Oberflächenaktive Polyethylenoxycarbonsäureester und deren Verwendung

Title (fr)

Acides gras polyéthoxylés comme tensio-actifs et leur utilisation

Publication

EP 0844016 A2 19980527 (EN)

Application

EP 97309505 A 19971125

Priority

GB 9624548 A 19961125

Abstract (en)

The present invention provides a polyethylene glycol (PEG) ester surfactant comprising at least one polyethylene glycol moiety and at least one fatty acyl moiety characterised in that said moieties are linked by a linkage incorporating a biodegradable methylene diester unit of formula (I) - CO.O.C(R<1>)(R<2>).O.CO- where R<1> and R<2> may, for example, each be a hydrogen atom or a monovalent organic group attached through a carbon atom or R<1> and R<2> together may, for example, form a divalent organic group attached through carbon atoms.

IPC 1-7

B01F 17/34; **C08G 65/02**; **C07C 69/02**; **A61K 7/00**; **A61K 9/00**

IPC 8 full level

A61K 8/39 (2006.01); **A61K 8/86** (2006.01); **A61K 47/14** (2006.01); **A61Q 19/00** (2006.01); **C07C 69/96** (2006.01); **C08G 65/332** (2006.01); **C09K 23/00** (2022.01); **C09K 23/34** (2022.01)

CPC (source: EP US)

A61K 8/39 (2013.01 - EP US); **A61K 8/86** (2013.01 - EP US); **A61K 47/14** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C07C 69/96** (2013.01 - EP US); **C08G 65/332** (2013.01 - EP US); **C09K 23/34** (2022.01 - EP US)

Cited by

CN111440309A; CN100360401C; EP3169659A4; US7645335B2; WO2004089825A1

Designated contracting state (EPC)

AT DE ES FI FR GB IE IT NL SE

DOCDB simple family (publication)

EP 0844016 A2 19980527; **EP 0844016 A3 19981118**; **EP 0844016 B1 20010926**; AT E206065 T1 20011015; DE 69706945 D1 20011031; DE 69706945 T2 20020613; GB 9624548 D0 19970115; US 5962626 A 19991005

DOCDB simple family (application)

EP 97309505 A 19971125; AT 97309505 T 19971125; DE 69706945 T 19971125; GB 9624548 A 19961125; US 97763097 A 19971125